

The **CAROLINA FARMER**

Special
Edition

JANUARY, 1966



NORTH CAROLINA

Farm Materials Handling Exposition

William Neal Reynolds Coliseum

JANUARY 19-20, 1966 / RALEIGH, NORTH CAROLINA



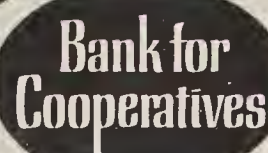
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The **CAROLINA FARMER**

Vol. 21, No. 1, January, 1966

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COVER—On January 19 and 20 William Neal Reynolds Coliseum on the State University campus will look more like a modern farm yard than the South's largest basketball arena. The North Carolina Farm Materials Handling Exposition will be held those days.

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THE CAROLINA FARMER, JANUARY, 1966

Journalism and Nearsightedness

We suppose journalism has always been hard on the eyes of its practitioners. After all, it does require much reading, assuming, of course, that the journalist does his homework. A dangerous occupational hazard? Perhaps so. It could be one reason an editor occasionally is accused of nearsightedness, or another is adjudged blind.

Well, we're not sure. But we did begin wondering about this occupational hazard when we read the Mooresville Tribune several weeks ago. A lengthy editorial in the newspaper criticized present methods and future plans for financing and taxing rural electric cooperatives. This was no surprise. The Mooresville Tribune has been parroting power company propaganda for a long time.

But we were surprised when the editorial said *The Carolina Farmer* "very carefully avoided" an important point in a story on Duke Power Company's plan to construct new electric generating facilities in the Savannah River Basin. The Tribune said we forgot to point out "who pays for the power-producing machinery in each case, and who gets the benefits."

We direct the Tribune's attention to the first sentence in the story to which it referred. We thought it was clear. Perhaps it was overlooked: "No matter who builds a hydroelectric dam a private power company or the government the people who use the electricity end up paying for it."

We reiterate that point. For it is an important point. It also makes the Tribune's logic confusing, especially when the newspaper says that a commercial power company "is preferred—because it contributes to tax coffers, rather than depletes them."

Such generosity overwhelms us. Especially since these so-called contributions to the tax coffers come from the people who pay light bills.

Generosity? Contributions? Somebody call an optometrist quick!



Need Some Help?

Tired of shouldering all the hard work? Ready to bring on the mechanization?

We can help. Just fill in the coupon below, drop it in the mail to us—and we'll see to it that you find out more about the electric-farming products advertised in this issue of *The Carolina Farmer*.

To: The Carolina Farmer
Box 1699, Raleigh, N.C. 27602

Please send me more information on the equipment advertised in this issue by:

- ☐ Florence Mayo (Tobacco curers, page 18)
- ☐ Long Manufacturing Company (Grain handling equipment, page 19)
- ☐ Goulds Pumps (Water systems, page 20)
- ☐ Engineered Farm Systems (Feed grinding and mixing equipment, page 21)
- ☐ I would like more information on this aspect of mechanized farming: _____

Name: _____

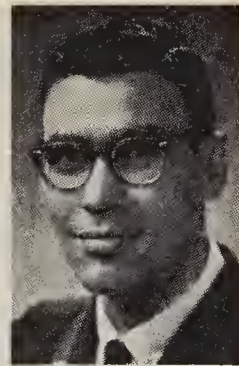
Address: _____

City: _____

THE FRONT PORCH



by Dick Pente



It's Dark Out There

THE DARKNESS of the Big Blackout extended further than to just the streets and homes of the Northeast. It showed up in the editorial rooms of a good many newspapers in the days following.

Marvin Zeldin, who in his role as executive director of Electric Consumers Information Committee acts as a one-man gang while trying to keep the record straight, recently noted these incidents of editorial darkness:

—One New York writer, in an article entitled "The Light in the Darkness," blamed everything on federal government regulation. He laid down the "plain moral" that "the more the public facilities under private management are forced into the federal pattern for physical centralization and government regulation, the greater the threat to the national security. . . ." He went on: "Certainly that hypothesis finds support in the facts of last night's calamity, when a vast segment of the electrical power industry on which this federal pattern has been enforced broke down. . . ."

—*The Wall Street Journal* commented that power grids are subject to "over-all supervision by the federal government."

A few days later, the *Journal* saw the light. It noted (all too accurately): "There is little the Federal Power Commission can do under present law to insure (regional power grid) reliability. . . . Existing law dealing with extra-high voltage transmission lines limits the FPC mainly to regulating the rates charged for power carried over them; it can only suggest, not impose, methods of assuring safety and reliability."

We don't know if the New York man is still blaming the FPC, or if he's found a new scapegoat.

Meanwhile, the power companies are pushing to gain further exemptions from FPC jurisdiction. But comments made earlier this year before a congressional subcommittee are causing a few red faces. One official said his company "has no electric connections with out-of-state utilities, nor does it contemplate such connections." He concluded that it was obvious that the FPC should have no jurisdiction over his company's in-state connections.

That official is the chairman of Rochester (N.Y.) Gas and Electric. His purely "local" company blacked out Nov. 9 when a relay switch in Canada failed!

And while investigators were trying to find out why the lights went out, a couple of kids were keeping quiet.

One little girl thought she caused it all when the lights went out at the precise moment she dropped her electric toothbrush in the toilet.

A small boy thought he did it when he whacked a light pole with a stick and scooted home in tears when everything went black.

Where the Chicken Is King

Push-Button Egg Factory

By Archie Hathcock

CHICKENS will never know anything about automation. But their owner, B. L. Williamson of Rt. 2, Raeford, knows all about it and that's all that matters to the chickens.

Here on the Williamson farm the chickens are totally dependent on the feed and water being delivered — constantly and abundantly — by the push of a button.

The age-old question of which came first the chicken or the egg is of no concern to Williamson. For in his push-button egg factory the chicken is king and if treated that way the eggs are plentiful.

Williamson is no newcomer to the poultry business. He first became interested in poultry when he raised some broilers in a high school 4-H project. He's been in the business ever since but he did switch from broiler production to commercial egg production in 1957.

Though the business is old, Williamson has built new buildings and applied new techniques. The pictures were made in his automatically-equipped building which he recently completed. The building houses 10,240 White Leghorn layers and is specifically designed for use in southern states. Its construction allows for an easier flow of air, thereby minimizing the ventilation problem. Fans in the building can completely change the air every 30 seconds. The building also provides for semi-environmental control. A temperature between 60 and 80 degrees F. can be maintained year-round.

Two rows of cages double decked 320 feet long practically fill the 336-by 17-foot building. There are four layers per cage. Pullets are purchased and placed in the cages when they are 20 weeks of age. Only a short time is required for them to

adjust to their new surroundings, but to help them along in their adjustment Williamson mixes a tranquilizer in their feed for about two weeks prior to moving them into the cages. The pullets will be in full production by the time they are 28 weeks old.

In most layer operations that are less automated than this one, egg gathering is one of the most time-consuming jobs. This, of course, is no problem for Williamson. As the eggs are laid they roll onto a belt away from the chickens. At the push of a button which starts the belt moving, all the eggs are brought to a single point where one person can easily package them into crates of 30 dozen each.

The cases of eggs are then transferred to the cooler and quickly cooled to about 48 degrees. The quick cooling helps to maintain

(Continued on page 20)

Leroy Williamson gathers eggs the easy way. Automatic equipment delivers eggs to one point more gently than they can be handled by human hands.

Cages, holding four hens each, are double decked. Automatic feeding, watering and cleaning minimizes the work to be done.





TARHEEL RURAL LINES

reports on events of importance to rural electric co-op members/by J. C. Brown Jr.

Don't Laugh at Pipe-Dreams

ANY ORGANIZATION reckless enough to start life with a name like "Yankee-Dixie" may well contain the creative stubbornness it will need to succeed. If the Yankee-Dixie Power Association, which held its first general meeting in Washington, D. C., in mid-November, does make it, you can look for the greatest reduction in power costs in the history of this state.

The concept of Yankee-Dixie is sound and not so new, but because of political and other problems which must be worked out, nobody had actually launched an organization to set about the job until last spring. Then, a small group of people connected with cooperative and municipal power systems announced the creation of Yankee-Dixie, whose purpose would be to build large electric generating plants in the coal fields of Appalachia and supply the eastern United States with sizable blocks of low-cost power through a transmission system linking the southernmost and northernmost United States. The project would cost more than a billion dollars and make cheap power available to more than 900 consumer-owned electric systems, such as yours. The proposition envisions private financing.



IN ORDER to achieve its greatest success, Yankee-Dixie needs the cooperation of the private power companies, and they have been invited to join the association. At the general meeting held in Washington, lawyers representing many of the companies said that they would recommend that their companies participate in the proposal.

An immediate reaction to Yankee-Dixie is a recognition of the problems, the major ones centering around the difficulty of obtaining the cooperation of several different legal entities existing under the laws of several different states. The leadership for Yankee-Dixie has stepped forward. If the concept is sound, and competent engineers say it is, intelligent people need only the common desire to obtain the benefits in order to solve the problems.

Yankee-Dixie has appeared promising enough to attract some institutions with impressive credentials, including several Wall Street financial firms who are acting as advisors to the association.

North Carolina municipal electric systems and cooperatives are represented in Yankee-Dixie, and we are hopeful participation will be 100 percent. The proposal is so large, and there are so many obstacles, that it seems like a pipe-dream. Thirty years ago, the idea of rural electrification was a pipe-dream, too. Now 98 percent of North Carolina's farms have electricity.

GERTRUDE

by TED TROGDON



"I suppose you're lookin' for an egg, you stupid lookin', knuckle-headed creep . . ."



"Good thing he can't understand chicken language."

NEWS NOTES

FARM BUREAU BACKS FINANCING STUDY

■ The North Carolina Farm Bureau joined the State Grange in voicing support for the National Rural Electric Cooperative's study on future financing for rural electric co-ops.

In November, the state convention adopted this resolution:

"We support the rural electric co-operatives in their efforts to find new sources of supplemental private financing, necessary to meet the rapidly increasing demand of electric power. We also recognize that many rural electric cooperatives continue to serve thinly populated areas and therefore are not yet able to provide electric service at rates on a parity with those of urban people. For these electric systems, we urge the Congress to continue to make available REA loans at a rate as low as practical."

TARHEEL MANAGER ON YANKEE-DIXIE BOARD

■ The executive manager of Tarheel Electric, J. C. Brown Jr., has been named to the board of directors of the Yankee-Dixie Power Association.

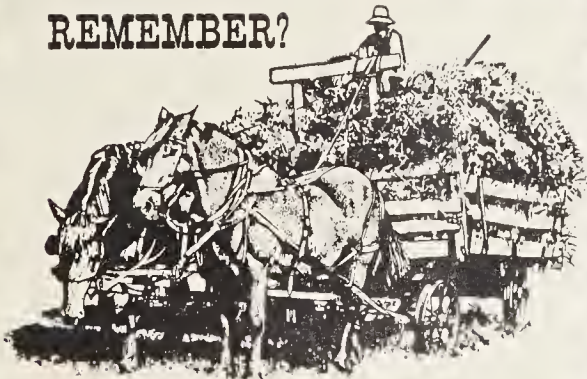
The association is made up of representatives of municipal power systems, private power companies and rural electric co-ops. It was set up to provide a source of low-cost wholesale power in the eastern part of the United States. (See page 6 for more details.)

Brown was active in the formation of the organization and served on its steering committee until it became incorporated in November.

DATES OF INTEREST

■ N. C. State University will host two meat-producing groups this month. The Pork Producers Conference will be on Jan. 6-7 and the Cattlemen's Conference will be Jan. 13-14. Persons interested in the continued development of the pork and beef industries in North Carolina are invited to attend.

REMEMBER?



when everybody brought in hay
with a horse and wagon?
and hardly anybody had insurance?

*Things are just about the reverse now. Have you had a
Farm Bureau agent go over your insurance program lately?*



NORTH CAROLINA

FARM

BUREAU

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Your Guide to the...

NORTH CAROLINA

Farm Materials Handling Exposition

William Neal Reynolds Coliseum

JANUARY 19-20, 1966 / RALEIGH, NORTH CAROLINA

On January 19, the inside of William Neal Reynolds Coliseum in Raleigh will look more like a barnyard than one of the South's largest battlegrounds for basketball.

The atmosphere of a highly modern and automated barnyard will be provided by the state's first Farm Materials Handling Exposition. The show will be the largest ever staged in the southeastern states. It will attract more than 50 equipment exhibitors and thousands of Tarheels interested in new cost-cutting methods and new ways to handle old jobs.

Governor Moore will cut the ribbon to open the two-day show at 10 a.m. on Jan. 19. The coliseum will be open at 9 a.m. on the second day, Thursday, Jan. 20. The show will close each night at 9 p.m. Admission is free. Ample parking space is available.

Literally hundreds of labor-saving, money-saving ideas will be on display in the huge coliseum. Representatives of the manufacturers will be there to help you with your individual problems whether or not it involves the purchase of any new equipment. So come to the show and bring your questions with you.

Here's a partial list of the companies that will be at the show and a brief description of the products they will be showing, along with their booth numbers.

A & B Milling Company: Representing K & K Manufacturing, Inc., calf feeder and milk replacer products. Booth No. 10.

Aeroglide Corporation: Super-Flo conveyor, drag conveyor, screw conveyor, bucket elevator, remote turn-head hopper. Booth No. Z.

Aerovent Fan & Equipment, Inc.: Ventilation units, heated air in-storage crop drying units. Booth No. J.

American Plywood Association: Softwood plywood as it is used in materials handling—pallet bins, pallets, crates, shelving. Booth No. 9.

Aqua-Air Limited: Lincoln brooding equipment. Booth No. 4.

Babson Bros. Company: Surge dairy farm equipment. Booth No. 42 and 43.

John Blue Company: Materials

handling equipment. Booth No. X.

Bradshaw Supply Company: Automatic feeder, 8-ft waterer, hanging feeder, hog feeder, gas brooder, automatic medicator. Booth No. C.

Chicago Eastern Corporation: Grain drying and handling equipment. Booth No. 5 and 6.

Clay Equipment Corporation: Meter mill, silo unloader, mechanical feeder, silage conveyor, vertical blower. Booth No. N.

Dairy Farm Equipment Company: Grain bin. Booth No. S.

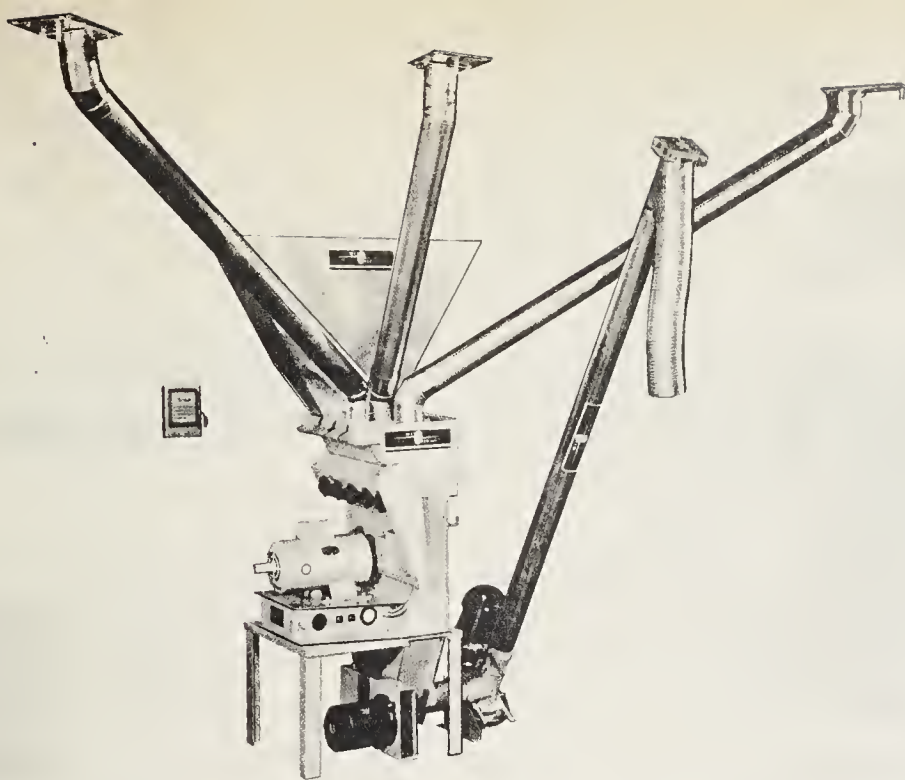
Decatur Pump Company: Shallow well jet pump, turbine pump. Booth No. 3.

Decker Manufacturing Company: Automatic feed mills. Booth No. 39.

John Deere Company: Silo unloader, conveyor, bunk feeder, mixer-grinder. Booth No. L and M.

Engineered Farm Systems, Inc.: Mix-Mill accurately measures, mixes and grinds up to four ingredients simultaneously, delivering fresh feed every day. Operates without attention and shuts off automatically. Ingredients flow to the mill by gravity from overhead bins.

Equipped with a 2, 3, 5, 7½ or 10 HP totally enclosed dust-proof



Engineered Farm Systems' mix-mill for double granary.

single phase or three-phase motor; control panel for automatic operation; two power circuits for auger motors or other electrical loads which are automatically energized when the mill is running and de-energized when mill is stopped; automatic-off-manual selector switch for power circuits and automatic-off-manual selector switch for mill; safety switch which shuts down the mill and associated equipment if the flow of any feed ingredient is interrupted for any reason; magnetic separator for removal of tramp iron. Booth No. 44. (See ad on page 21).

Farmers Cooperative Exchange: Automatic hog feeder, automatic

poultry feeder. Booth No. 38.

Farmec: Silo unloader, trough feeder, cycle feeder, silage distributors. Booth No. T.

G & M Sales Company of Eastern North Carolina: Representing Big Dutchman Automatic Feeder, flat deck system, fan display, incinerator, feed mill. Booth No. Y.

Garber & Moseley, Inc.: Vaughan liquid manure spreader, Vaughan chopper pump. Booth No. D.

Goulds Pumps, Inc.: Goulds Pumps, Inc. of Seneca Falls, N. Y., will exhibit a complete line of pumping equipment for home and



Gould's new submersible pump.

farm at the Farm Materials Handling Exhibition this month in Raleigh.

Goulds will use this show to introduce its newest product, the Model HB05 high pressure utility pump. This unit delivers 6 gallons of water per minute at 80 to 85 pounds pressure. It draws water from any available source. If a pressure system is used and incoming pressure is 40 pounds, the pump will deliver 120 to 125 pounds. Ideal for cleaning milk parlors, washing down barn floors, and extra fire protection.

Also on display will be Gould's economically priced gear pump, popular in North Carolina for tobacco seed bed irrigation and other sprinkling jobs.

Goulds pumps are available throughout the state through a network of reliable distributors and local dealers, many of whom will come to Raleigh for the Exposition. (Expert, personalized service is always nearby on Goulds products). The Goulds factory sales representative for North Carolina, Max Price, will be at the show too. He can also be reached by mail at P. O. Box 2752, Charlotte. Booths No. 7 and 8. (See ad on page 20).

Harbor Industries, Inc.: Electric gate and hay grain moisture testers "Champion Blue" feed additive. Booth No. 1.

(Continued on page 18)

Valuable Information

Make your plans to attend this exposition. You can pick up valuable information on the latest in farm mechanization from the representatives there. If you want transportation, check with your county agent, local bank or electric co-op. Many of them are arranging group travel to Raleigh.

If you can't make it to the exposition, but would like to learn more about some of the products in the show, let us help. On page 4 you'll find a coupon. Just fill it out and drop it to us and we'll pass it on to the right person.

Mechanization: When I-

EARLY to bed. Early to rise. Work like the devil and fertilize."

A simple creed. And a true one for perhaps a generation or more of North Carolina's farmers. But this, like almost everything else about farming, is changing.

Automation has come. The creed is being revised. And after all, perhaps it should read: "Early to bed. Early to rise. Work like the devil and mechanize."

Still, an important question remains. Can you afford it? Will it pay? Sometimes the answer is: "I can't keep up if I don't. It'll break me if I do." In almost every case, the question is difficult to answer.

There are many reasons why farmers decide to mechanize. It makes the job easier physically. It provides more leisure time. The need for hired labor is reduced. Profits may be increased.

Each, according to farm economists and management experts, is a valid reason. But in most cases, work is mechanized because it is more profitable to do so.

How then does a farmer determine whether it will be profitable to mechanize a job? The answer depends on whether added returns outweigh added costs.

What are the added costs and returns associated with mechanization? Additional operating expenses for such items as gasoline, electricity and repairs will be necessary. Mechanization often requires a large initial capital investment.

Such items as depreciation, interest, insurance and taxes on the investment are important. These costs are hidden. Often they are overlooked by farmers in determining whether to invest in a new or used machine. But these costs are just as real as outlays for gasoline or electricity.

If the initial investment is high,

overhead costs may be large indeed.

By contrast, mechanization usually saves labor. Thus, the wage or value of labor saved is the added return. Labor saved by mechanization may be used to increase the size of business. In some cases, mechanization will increase returns in other ways. In some areas, for example, dairymen are paid premiums for holding milk in bulk tanks rather than in cans.

To determine whether mechanization will increase your profits, you must place values on the various factors involved. One farmer may value labor at \$.50 per hour and another farmer at \$1.25 per hour.

Suppose you are a dairy farmer and hand feeding 3,000 pounds of silage per day. You feed approximately 548 tons per year. You want to install a silo unloader and mechanical conveyor. Will it be profitable?

You estimate that mechanizing this chore will reduce the labor requirement six-tenths of an hour per ton. The amount of labor saved in a year multiplied by the wage hour on labor value (\$1 per hour)

represents your added returns. The estimated added operating costs include charges for electricity and repairs of eight cents per ton. In addition, you must determine overhead costs on a \$2,400 initial investment for an unloader and conveyor.

In this case, overhead costs are based on a 15-year life of the equipment, a five-percent salvage value and six percent of one-half the original cost for interest on investment, insurance and taxes. This is five percent for interest and one percent for insurance and taxes.

This is the way you figure your profit: The added returns total \$329 from 329 hours of labor saved at \$1 for each hour.

Your added costs total \$268, leaving a net profit of \$61 per year. Items under added costs include: \$44 for electricity and repairs (548 tons multiplied by eight cents per ton); \$152 for depreciation (95 percent of \$2,400 divided by 15); and \$72 for interest and taxes (six percent of \$2,400 divided by 2).

In this case, you figure that mechanization of silage feeding would increase your profit by \$61. In contrast, by decreasing the amount of silage fed to 400 tons per year and reducing the value of labor to \$.50 an hour; you would lose \$136 per year by adding this equipment.

Clearly the values placed on the factors by each individual affect his estimated profit. Each individual should use values which closely fit his situation.

Suppose family labor is displaced by mechanization. If nothing is done with this labor, its value can be considered zero as far as farm profits are concerned. This doesn't mean a farmer shouldn't mechanize to increase leisure time; it means he doesn't increase his profit by doing so. If the displaced labor can be put to some other use, such as milking more cows, the value of labor



EDITORS NOTE: This special report deals with one of the most crucial questions facing this generation of Tarheel farmers. It is based on information compiled and

edited by Robert C. Wells of North Carolina State University. Wells is an extension economist and a specialist in farm management.

Pays

saved may be considerably higher than \$1.25 per hour.

In addition to volume and labor, depreciation and interest on investment are also important in determining the relative profitability of mechanizing. Annual depreciation depends primarily upon the expected useful life of the machine and the initial outlay for it.

Today, a machine's useful life is influenced more by when it will become obsolete than when it will wear out. If in our illustration you had expected a useful life of 10 years for the unloader and conveyor, this factor alone would have increased overhead costs from \$224 to \$300 per year. It would be similar assuming different interest rates will affect overhead costs. You assumed a five-percent interest rate, but you may have had other uses for the capital which would return you a higher rate.

Clearly the answer to "can I afford it" is not universal. The weighing of added costs versus added returns is necessary in making the decision to invest in any piece of equipment. If a farmer uses credit to a large extent, he may be confronted with liquidation if the profit scales aren't tipped sufficiently steep in his favor.

Mechanization often will be more profitable where labor is scarce and wages are high, where the volume of material handled is large and capital is relatively abundant. In contrast, mechanization is not likely to be profitable where labor is plentiful and wages are low, the volume of material handled is small and capital is hard to obtain.

A farmer interested in increasing farm profits should take time to think through the proposed change. By evaluating the added returns and costs for each change, he can be sure that his profit scales will tip in the right direction. ■



You need to make plenty of decisions before you finally decide to mechanize. Good records will help you make those decisions.

Your electric co-op power use advisor or your county agricultural agent can help you plan your mechanization.



THE HISTORY OF BEDDING



The story behind January's White Sales

. . from animal pelts to contour percales

THE BED of roses may not exist, but the bed of Princess Rose, Enchanted Rose and Flower Fair certainly does.

With flowery names like these, bedding manufacturers are flagging feminine attention to their new lines of floral-patterned sheets and pillowcases, especially during the month of the traditional "white sales."

But this is only the latest chapter in a long bedtime story. From the cavemen on, people have tried to add comfort and luxury to their nightly slumbers—with results that have not always been dreamy.

Animal pelts, sheep fleeces, tree boughs or grass spread on the bare ground were the first mattresses—and blankets and pillows as well. When the human race took up farming, straw became an obvious choice.

THE PALLIASSE

Then some primitive genius, perhaps sleepy from the exertion of inventing the wheel, decided to enclose the straw in a bag—and invented the straw mattress or palliasse, used even in modern times by soldiers.

Ornate bedsteads of wood, stone, ivory or metal, laced with wickerwork on which rested rush mattresses, were the dream of every Egyptian 4,000 years ago—but the privilege of the wealthy. The pillows for these beds were headrests of wood, stone or pottery, even as they are today in much of the Orient.

Not to be caught napping in the face of such progress, the Romans of Julius Caesar's time developed different types of beds for sleeping and for simply reclining!

Bedsteads light enough to be easily toted from castle to castle were favored by the lords and ladies of the Middle Ages. When they reached journey's end, the bed would be set up in the great hall—for separate bedrooms were rare 600 years ago!

Bedroom and four-poster bed both came into fashion in the 15th century, as did the featherbed. In these times, beds were considered so valuable that they were mentioned

in wills: Shakespeare bequeathed to his wife Anne Hathaway his "second-best bed."

LINEN AND "HARDEN"

Sheets and pillowcases—or "pillow-beres," as they used to be called—have been used at least since the 15th century. Fine linen sheets were the extravagance of the rich; the very coarse linen used by the average family was known as "towel." Poor people had to settle for sheeting, appropriately called "harden," which was woven from hemp! Strangely enough, muslin and percale—the standbys of modern sheeting—were originally not used for this purpose at all.

The first muslins were actually gauzy cottons woven in ancient India for turbans and veils. They were so fine that they were called "running water and woven air"; a turban a yard wide and 20 yards long could be drawn through a finger ring.

PLENTY OF PERCALES

Percale was the Persian *pargalah*, a fine woven dress fabric usually printed on one side. Printed percales and muslins are now the newest thing in sheeting design. One producer alone manufactures some 15 different floral, striped and scalloped patterns for percale and muslin sheets. The patterns come either as over-all or border decoration on pastel or white sheets. Top sheets in candycale are being used as informal bedspreads and, along with printed sheets, are also being made into dust ruffles, curtains or even lamp shades—the first time in history that sheets have been part of bedroom decor.

Blankets, on the other hand, have been in the fashion swim for many centuries—but as cloaks! As early as 500 years ago, a white or undyed woolen cloth known as "blanket" (from old French *blankete*, meaning white cloth) was woven at Witney, England. But it was worn by people who were wide-awake to fashion trends. For rugs were the real blankets of the day.

MONUMENTAL BEDS

Even the most outsize modern sheet or blanket would have been inadequate in the 17th century, when monumental beds came into fashion. The Great Bed of Ware, built in England around 1580, measured 10 feet by 11 feet. A smaller but still king-sized bed at the Palace of Versailles enhanced the dignity of France's Louis XIV—for it was his custom, and that of many other fashionable people of his time, to receive visitors while lolling in bed.

These well-rested folk probably never got up on the wrong side of the bed—a failing which seems to have originated with the ancient Romans. The emperor Augustus Caesar was careful never to arise from the left side of the bed or to put his left shoe on first, both of which were considered highly unlucky.

MORE SUPERSTITIONS

The Greek philosopher Pythagoras, who lived several centuries before Augustus, observed a still more interesting precaution: He made it a rule to smooth away the imprint of his body in the bed as soon as he arose. A similar superstition is still strong among many primitive tribesmen today. They promptly erase their footsteps on the ground, for fear that some enemy will come along and "conjure" them.

Couches with adjustable headpieces, forerunners of today's convertible beds, appeared in the 17th century; the "sleigh bed" with curved ends was popular in the 19th century. But the bed of roses?

BED OF ROSES

According to legend, it really existed . . . among the inhabitants of a city called Sybaris in ancient Italy. The Sybarites, notorious for their love of luxury, supposedly slept on mattresses stuffed with rose petals.

Apparently, today's housewives prefer Princess Rose sheets—atop inner-spring mattresses!

Free Patterns



TEEN VEST

Four large colorful buttons add extra fashion note. Choose color to go with many skirts.



OFFICE VEST

Adds dressy touch to simple skirt and blouse. Knit in periwinkle blue, apricot, or geranium.



BEAU BRUMMELL

Warm, comfortable men's vest. Two generous pockets. Knit in oxford grey or natural.



WEE WESKITS

Boy's is knitted; girl's is crocheted. Provide extra layers of warmth under coats; not bulky.

To: The Carolina Homemaker
P. O. Box 1699
Raleigh, N. C.

Please send me without charge the pattern instructions I have checked below. I am enclosing a long, stamped, self-addressed envelope.

☐ Teen Vest ☐ Beau Brummell
☐ Office Vest ☐ Wee Weskits

My Name is: _____

Address: _____

Comment, if Any: _____

The Name of my Electric Co-op is: _____

Family FARE

By ERMA ANGEVINE



SOMETHING about the ending of a year makes me begin to take inventory of things written and unwritten. I've a file marked, unimaginatively, "things I might write about." Into this go notes, clippings, comments on speeches, articles, quotations. And paper clips, I wonder why?

Months go by without my ever looking into this file which grows fat with its accumulation. Then comes the reckoning at the end of a year. I set about trying to bring order out of this drawer full of oddments.

The wastebasket fills as I explore the disconnected thoughts and memories I planned to share and never did.

● Fifteen years ago the U.S. Surgeon General said 3,000 U.S. communities dump 2,500,000,000 tons of raw sewage into the nation's streams every day. I wonder what he says today?

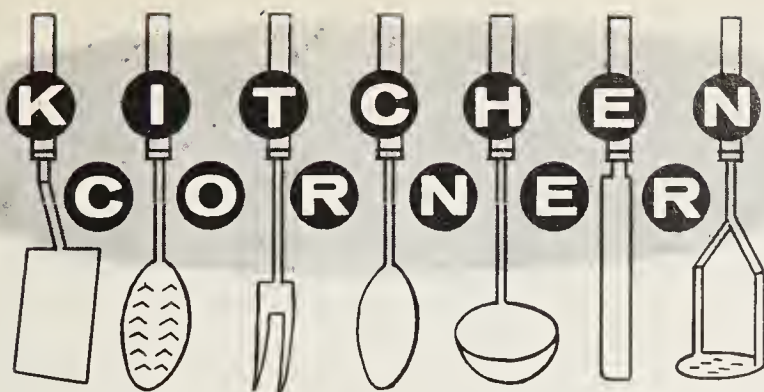
● Why aren't we supposed to know the truth about auto loans advertised at four percent interest which are actually eight percent or more? Why aren't we supposed to figure out that a department store account carrying a one-and-a-half percent monthly interest is 18 percent yearly interest? Why do businessmen object to our knowing the true rate of interest?

Chicagoan Jack Mabley says, "It would be a wonderful country if we had no burglars, and therefore needed no laws against burglars. But we nonburglars don't oppose the law to control the one-half of one percent who are crooks. By the same reasoning, why should noncrooks object to laws to hamper gouging by the small number of unprincipled lenders?"

● Advertising corrupts language.

"Take, for example, the word 'image,' which was once a word of art employed with rigorous precision by disciplined poets who knew exactly what they meant by it. It has now become a trade term of the advertising agencies used in a muzzy, fuzzy, girlish sort of way to mean what people think of you — or more precisely what they will think if you don't use a particular deodorant or a certain soap or the brand of China policy advocated by the Daughters of the American Revolution. Nobody thinks of a man any more — only of the 'image' of the man. Nobody thinks of a policy — only of the 'image' of a policy. Sooner or later no one will think of the Republic either — only of the 'image' of the Republic — how the U.S. would look in a full-page ad." — Archibald MacLeish.

● The excise tax on new cars dropped from seven percent to six percent Jan. 1. By 1969, we'll pay only a one percent excise tax on cars. Your telephone excise dropped from ten percent to three percent on Jan. 1.



Cakes and Friends

*"Oh, cakes and friends, we should choose
care,
Not always the fanciest cake that's
there
Is the best to eat! And the plainest friend
Is sometimes the finest one in the end!"*

—Margaret E. Sangster

Cakes and tea and friends seem to skip hand in hand, and a coastal homemaker sends a **very special pound cake recipe** to be served in January, with steaming lemonged tea, to a **very special friend**.

Mrs. Gilford Cannon, Newport, Rt. 2, is our good culinary neighbor this month. She writes that she loves the coast and "especially our small community, Mill Creek, which overlooks the Newport River."

The Cannon family consists of Mr. and Mrs. Cannon, a 13-year-old daughter, and a married son. They enjoy fishing and boating, and are members of the Missionary Baptist Church.

Mrs. Cannon especially enjoys gardening and trying new recipes, many of which she clips from **THE CAROLINA FARMER**.

The Cannons are members of Carteret-Craven Electric Membership Corporation, Morehead City.

If you have a favorite recipe you'd like to share through this column, send it to: **The Carolina Homemaker, Box 1699, Raleigh.** Tell us something about yourself and family and give us the name of your electric membership corporation. We pay \$2 for the recipe chosen monthly for this column.

CAROLINA FARMER RECIPE

Submitted by Mrs. Gilford Cannon
Rt. 2, Newport, North Carolina

ALMOND POUND CAKE

- | | |
|-------------------------|--------------------------------|
| 1 lb. butter | 1 t. salt |
| 1 lb. sugar | 2 t. baking powder (level) |
| 1 lb. sifted cake flour | 1/2 cup water |
| (reserve 2 tablespoons) | 1/2 cup finely chopped almonds |
| 1 t. almond extract | drenched in the 2 tablespoons |
| 1 t. vanilla extract | of flour |
| 6 eggs separated | |

Cream butter and sugar until light and fluffy. Add extracts. Add egg yolks one at a time and beat. Add flour sifted together with baking powder and salt alternately with water. Beat until light (but not dry) the egg whites and fold in mixture. Add almonds. Fold lightly. Bake in greased loaf pan or tube pan, approximately 1 1/2 hours in oven preheated to 300 degrees.

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Shaggy Beatles?

Teens Like 'Em 'Nice and Neat'

"Most of the girls I know think that the two words 'nice and neat' answer your question right off. They describe almost anything, haircuts, clothes, appearance. We all strive to be in that category. The 'Shaggy Beatle' look is all right for the Beatles, but who wants to look like a Beatle."

Pete Deal
Rt. 2, Box 219
Aurora

Pete is in the eighth grade at Aurora High School. His parents, Mr. and Mrs. Coley V. Deal of Rt. 2, Box 219 Aurora, are members of Pamlico-Beaufort Electric Membership Corporation.



"Most girls prefer a boy with a neat haircut because a person's hair is one of his most important assets. Besides who wants a boyfriend that looks like a 'Saint Bernard.' It appears that he is trying to look sissy.'"

Dora Leigh Jackson
Rt. 2
St. Pauls

Dora is a freshman at Tenmile Technical Institute at Barker Tenmile. Her parents, Mr. and Mrs. Jasper Jackson of Rt. 2, St. Pauls, are members of Lumbee River Electric Membership Corporation.



"Most girls accept the 'Beatle' haircut as a fad and it may or may not last. However, if other girls feel as



I do, they had rather introduce a neat, cleancut boy to their parents than someone peeking at them through a shaggy mass of hair. I think the 'Beatle' haircut should be reserved strictly for the Beatles."

Melinda Gay Weaver
Rt. 3
Four Oaks

Melinda was a 1965 graduate of Four Oaks High School. Her parents, Mr. and Mrs. Junius B. Weaver of Rt. 3, Four Oaks, are members of South River Electric Membership Corporation.



"I think most girls like the nice neat haircut because it has that all American look which most of us girls like."

Sylvia Vestal
Rt. 1
Boonville

Sylvia is a senior at Boonville High School and her hobbies are reading and cooking. Her parents, Mr. and Mrs. Marvin Vestal, are members of Surry-Yadkin Electric Membership Corporation.

Teen

ROUNDTABLE

If you have a good answer, send it to THE TEEN ROUNDTABLE, The Carolina Farmer, P. O. Box 1699, Raleigh, N. C., at once. Send a photo, too, if you have one, (we can't return it) and a few facts about yourself. Include your parents' name, and the name of the electric membership corporation serving you. If your answer is published, we will send you \$5.

If you want to submit a question, send it along for our statewide panel to answer. For each question used, the sender will get a \$5 check. Jot yours down and send it to us right away.

NEXT QUESTION

"Do you think the teen dances today are too wild?"

This question is from Dorothy Anne Smith, who will be receiving a \$5 check from THE CAROLINA FARMER. Dorothy says she is 13½ years old and enjoys pop music and dancing. Her parents, Mr. and Mrs. Floyd C. Smith of Rt. 1, Box 814, Oakboro, are members of Union Electric Membership Corporation.

Fashion FAVORITES



4890
10-18

Pattern No. 4890 is cut in sizes 10, 12, 14, 16 and 18.

Pattern No. 4679 is cut in sizes 12½, 14½, 16½, 18½, 20½, 22½ and 24½.

Pattern No. 4675 is cut in sizes 12½, 14½, 16½, 18½, 20½ and 22½.

Pattern No. 9064 is cut in sizes 24, 26, 28, 30 and 32.

Pattern No. 4562 is cut in sizes 12½, 14½, 16½, 18½, 20½ and 22½.



4679
12½-24½

Only One Yard 54"



9064
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24"-32"



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SIZES
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SIZES
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Materials Handling Show Exhibitors

(Continued from page 9)

Harrington Manufacturing Co.: Peanut drying equipment. Booth No. V.

Harris Company, Inc.: Bunk feeder and silo unloader. Booth No. R.

Hart-Carter Company: Feed proportioning programming equipment. Booth No. 17.

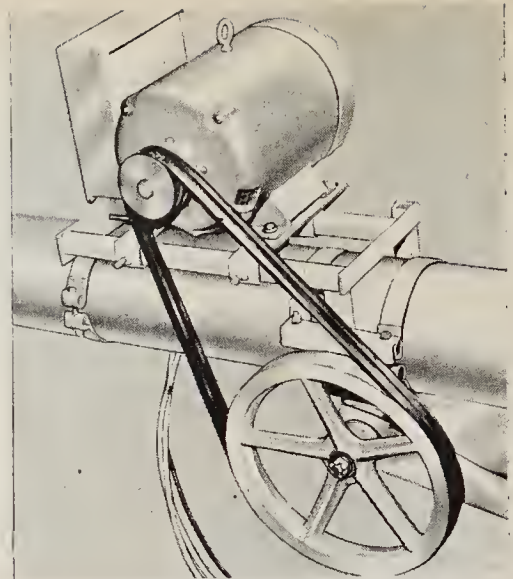
Long Manufacturing Co.: Along with other grain handling and drying equipment, Long Manufacturing Company will show their 6 and 8 ft. heavy duty augers. These augers have the hex line drive shaft which eliminates the long belt drive. The shaft is completely enclosed under

auger tube. There is only one short drive belt from power unit to gear box. These augers are fully equipped with fully adjustable motor mounts for use with electric motors or gasoline engines. No lubrication is required on any parts. Available in several lengths. See us at the show. Booths No. P and Q. (See ad on page 19.)

New Idea Farm Equipment Co.: Barn-O-Matic trailer with silo unloader, floating auger attachment with timer. Booth No. E.

The Patz Co.: Silo unloader, cattle feeders (circle and straight line). Booth No. F.

Pax Distributing Co.: Pressure



Long Manufacturing's high-speed 3,450 rpm electric motor.

heated fountains, capacity heated fountains, hog feeders, cattle feeders, turkey feeders. Booth No. W.

Powell Manufacturing Co.: Bulk curing drying display, grain, peanuts, sweet potatoes, tobacco. Booth No. G.

Red Jacket Manufacturing Co.: Pumps, water conditioning equipment. Booth No. 20.

Revelle Builders: Lighted display of crop dryers, grain and peanut handling and storage equipment. Booth No. H.

Ritchie Manufacturing Co.: Ritchie livestock waterers. Booth No. 16.

Smith Hardware Co.: Augers, elevators, pumps, fork lifts, wheel barrows, small tractors. Booth No. U.

Southeastern Silo: Silo unloader, silo, auger feeder. Booth No. O.

System Analyzer Corporation: Pole top switches. Booth No. 28.

Tri-State Distributors: Badger silo unloader, badger bunk feeder, badger silage distributor. Booths No. A and B.

Viking Manufacturing Co.: Grain handling and feed preparation equipment. Booth No. I.

WinPower Manufacturing Co.: Tractor driven generators for farm standby emergency power. Booth No. 2.

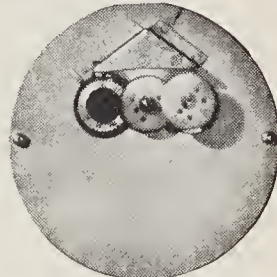
FLORENCE-MAYO THERMOSTATS AND TIME CONTROLS



Potent Pending

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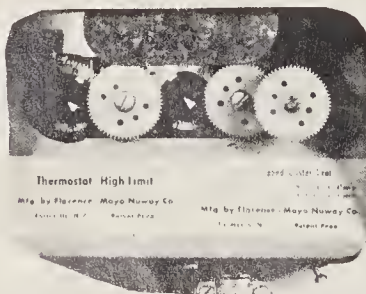
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Increases temperature 2, 3, 4 or 5 automatically. Equipped with Brite Nite Lite, an exclusive Florence-Mayo feature. Optional. Only \$10 extra when purchased with curer.



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10			32
			33
11	G	T	34
12			35
13	H	S	36
14	I	R	37
15			38
16	J	Q	39
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18			41
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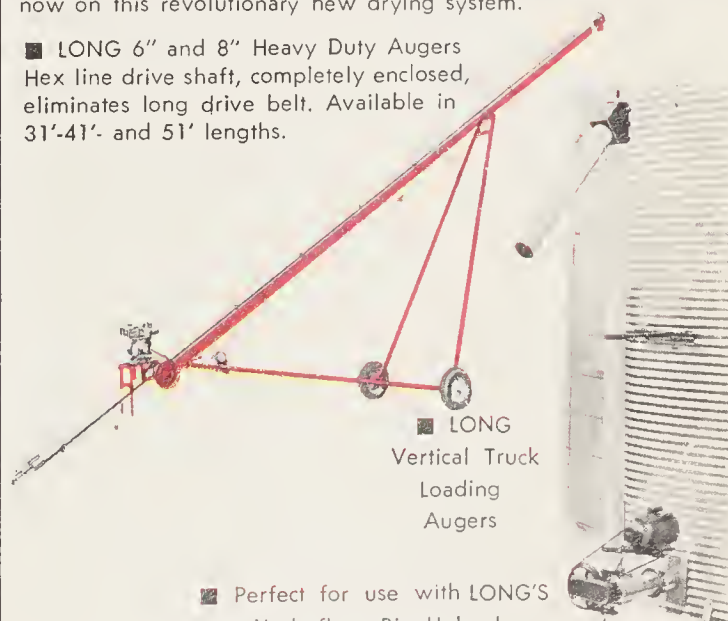
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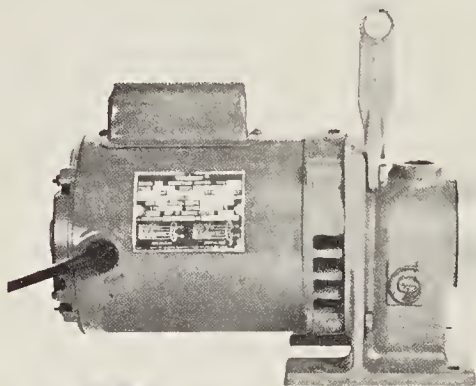
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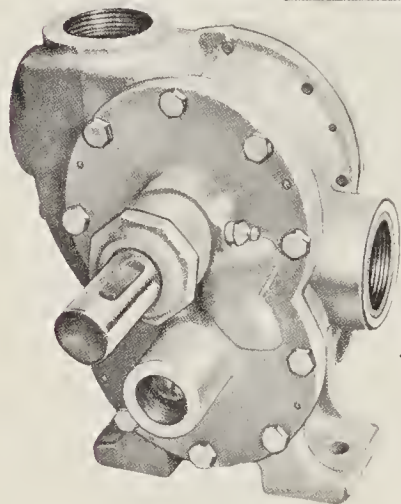
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FARM MATERIALS HANDLING EXPOSITION

WILLIAM NEAL REYNOLDS COLISEUM • RALEIGH • JAN. 19-20



To B. L. Williamson and his son, Leroy, the chicken is king. And the treatment they get is fitting.

Push-Button Eggs

(Continued from page 5)

quality until they are moved to the grading station. In normal production these 10,240 chickens will lay around 700 dozen eggs daily.

So nearly automated is this operation that only about three hours labor each day is required. The feed is delivered to the farm in bulk and fed at the rate of two-and-one-half tons daily by automatic feeders. Automatic waterers deliver a constant supply of fresh water and the lighting is time-clock controlled. Once a day a flip of a switch puts into operation a drag line which scrapes up the droppings underneath the cages. This daily cleaning minimizes the danger of disease spreading throughout the flock.

Williamson does have a partner in the business. It's his 20-year-old son, Leroy. And everything indicates that Leroy is just as interested in the business as his dad. Currently Leroy is enrolled in Agriculture Technology at the Fayetteville Technical Institute. Leroy has little difficulty keeping up his work in school and still doing his part of the work in the business during the afternoons.

Williamson, like his son, has found that the automatic equipment he installed has also given him more free time. His profits are higher and he gets a premium for the top-quality eggs he produces.

And after all, that's what automation is all about.



Dishwasher: Mother's Helper

I RECENTLY came across some estimates that indicate the average housewife would wash 340 tons of dirty dishes during her lifetime. If this is true (my wife says she thinks it is), then I suspect that the farm housewife will wash considerably more than that.

For years we considered a dishwasher one of those luxury items and not a very practical one at that. We'd heard that its use required that the dishes practically be washed before the dishwasher could do its job.

Nothing could be further from the truth. A dishwasher is one of the most practical, useful, time- and labor-saving appliances in our home. All that is required in the way of preparation is scraping off of excess food. The dishwasher does the pre-rinsing before it gets to the wash cycle. Once any homemaker tries it, she's seldom willing to part with it.

The newer dishwasher usually sprays the dishes once, thoroughly washes them twice, and rinses twice. It uses water at 145 degrees or hotter, to make sure dishes are hygienically clean. This is far hotter than hands can stand.

While we don't have any statistics

to prove it, it seems to me that the common cold is far less common in our household now. When a member of the family does get a cold it seems that it's less likely to spread to the other members of the family. And dishes, glasses and silverware come out sparkling clean.

We seldom wash dishes but once a day and we've found that if the dishes are placed in the dishwasher before the food has had time to harden, then they always come clean. There's enough moisture inside the dishwasher to prevent food from drying if the washer is kept closed until you're ready to place dishes inside. Again, no pre-rinsing is necessary.

If you've ever been interested at all and done any looking around, you know there's a variety of models from which to choose. The portable models eliminate the installation cost, but they must be moved up close to the sink when in use. Built-in models with their in-place plumbing add a measure of convenience. Whichever of these two models best fits your needs, by all means get a front loading model instead of one that is loaded from the top. You'll find it much easier to load and unload.

Perhaps you were the lucky recipient of one as a Christmas gift. If so, count yourself fortunate. Of all the automatic appliances now in the home, the electric dishwasher is one of the most useful and popular. Even the most delicate china can be safely washed in it. There's even less chance of breakage to china and glassware than when doing them by hand.

Cost

Profits

?

Costs seem to rise annually. Profits seem to drop. If you have questions on on-farm feed preparation systems and how to reduce feed costs, bring them to our booth at the N.C. Farm Materials Handling Exposition in Raleigh, Jan. 19-20. For additional information check the reader service coupon on Page 4 or set our representative in your area.

Mr. Robert Anderson
Automatic Farm Systems
P. O. Box 8373
Asheville, N. C.
Phone: 704 - 683-2307
Mr. Bob Lamb
Ingold, N. C.
Phone: 703 - 529-4118
Mr. Charles Corriher
Corriher Implement Co.
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II-VII-VI . . .

We heard about a fellow the other day who was a bit peeved with the Post Office Department.

Said he was getting even with them, though. He's using zip code numbers when he writes, but he has started writing them in Roman numerals.

Pretty Bad

The absent-minded professor had received a couple of tickets for the opera. Finding that he was unable to go, he rang up some friends and said: "An unfortunate dinner engagement keeps me from attending the opera tonight; could you use the tickets?"

"We should be glad to do so," was the reply, "but we are your unfortunate hosts."

Side To Side

A guy walked into a cafe wearing a hat and the manager asked him to remove it. He was stunned to see the man's hair parted from side to side instead of from front to back. He was curious and asked the man if it ever bothered him.

"No, it doesn't bother me," he replied, "but once in a while somebody will come and whisper in my nose."



"Might I say you have interpreted our offer a bit more liberally than we had anticipated?"

HALE!

Returned Check

"The bank has just returned that check we gave the milkman," said the husband.

"Oh, good," replied the wife. "Now we can buy something else with it."

Two Wives

A father said to his daughter, "Your boy friend approached me and asked for your hand. I consented, dear."

"But, Father," cried the girl, "I don't wish to leave Mother."

"I understand, child," the father said. "Only don't let me stand in the way of your happiness. Take your mother with you."

Modern Times

The junior executive had been complaining of aches and pains to his wife. Neither could account for his trouble.

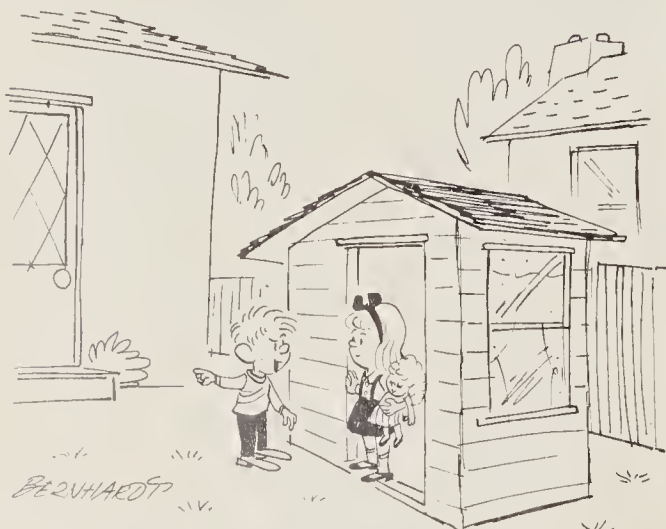
Arriving home one evening, he informed her: "I finally discovered why I've been feeling so miserable. We got some ultramodern office furniture two weeks ago, and I just learned today that I've been sitting in the wastebasket."

Bad News

"You said," exclaimed the irate caller, "that I had resigned from the town council and intended retiring from business into private life."

"But," protested the editor, "all that is quite true. . . ."

"Quite. But you printed the information under 'Public Improvements.'"

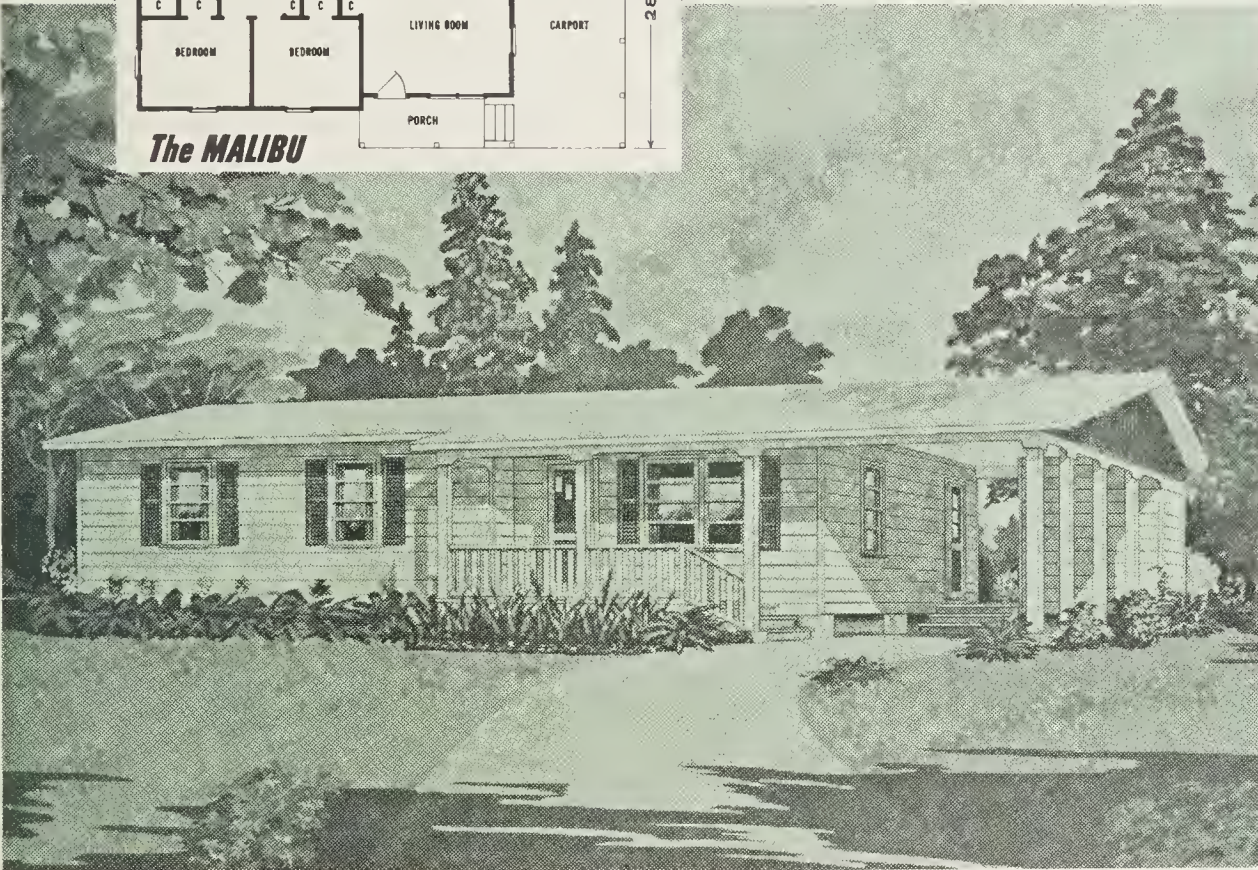
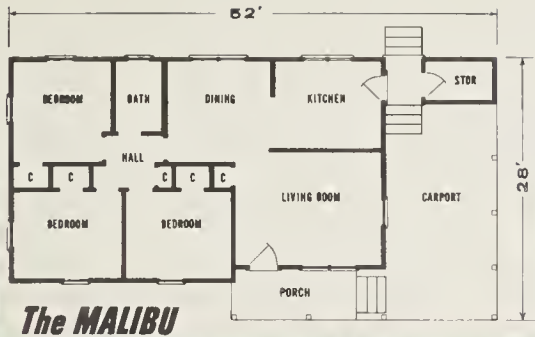


"Okay, okay, I'll play house with you. Now you get mad at me and go home to your mother."



"Say—you're improving! This tastes just like mother's leftovers?"

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1966 MUSTANG—Ola Mae Davis, Johnsonville, S. C.
MINK STOLE—Gerald Story, Calvert City, Ky.
PORTABLE TV SET—Patsy Dean, Mobile, Ala.

10,000 S&H GREEN STAMPS each to:

Estaleen White, Knoxville, Tenn.
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Clayton Buchanan, Monroe, La.
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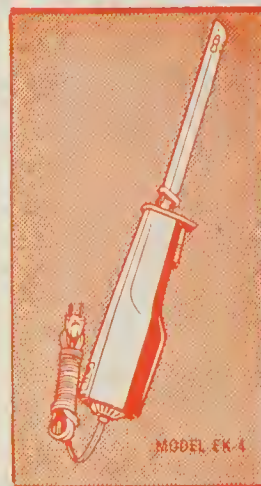


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